

Wikidata & Scholia for scholarly profiles

The IU Lilly Family School of Philanthropy pilot project

DCMI Conference
September 11, 2018

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IUPUI University Library

- located on the IUPUI (Indiana University-Purdue University Indianapolis) campus, in the United States; public university campus with 17 schools (29,790 students)
- library supports open access and open knowledge projects/initiatives
 - 2004: open source software for institutional repository & (later) journal publishing
 - 2006: created first open collection of historical materials for the community (architectural images)
 - 2009: library faculty adopted Open Access Policy
 - 2013: OA publishing funds
 - 2014: IUPUI Open Access Policy (for journal articles)
 - 2014: OA as a value in the promotion and tenure process
 - 2017: commitment to open knowledge projects/initiatives (reflected in job description)



IU Lilly Family School of Philanthropy

- Located on the IUPUI campus
- Founded 2012 (initially established as a Center in 1987)
- 1st School of Philanthropy in the United States
- Leading school in the subject in the United States
- Longstanding partner for the library's print (1993) and digital collections (2004)



School of Philanthropy Pilot Project

Aims:

- Explore a potential new library service
- Contribute to a free, open, linked-data scholarly record for all

Objectives:

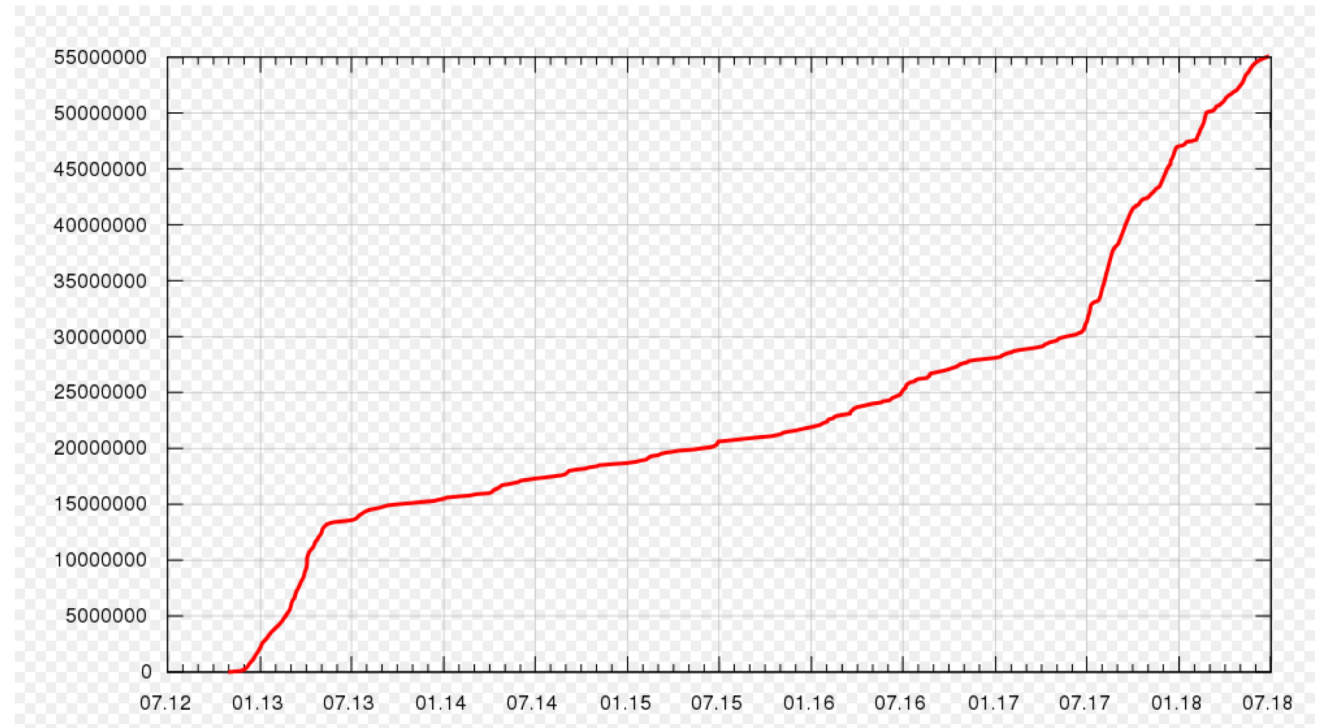
- Provide a presence in Wikidata for a selected group of faculty members from the school (core faculty)
- Provide a presence for their co-authors, regardless of their institutional affiliation
- Create entries for the scholarship produced by the faculty
- Create entries for publications cited by these faculty



Platform Used to Contribute the Data

Wikidata (<https://www.wikidata.org>)

- Sister project to Wikipedia
- Newest project of the Wikimedia Foundation, 2012
- Free knowledge base for linked data
- Multilingual
- Centralized repository
- Read and edited by humans and machines
- Uses defined properties
- Items get a unique identifier (QIDs)



52.2 million content pages created in less than 6 years,
of which 5,179 are properties -

<https://www.wikidata.org/wiki/Wikidata:News>

The logo consists of a blue rounded rectangle with the word "Scholia" written in white, sans-serif font in the center.

Scholia

Interface Used to Generate Scholarly Profiles

Scholia

- Web service (<https://tools.wmflabs.org/scholia/>)
- Developed by: Finn Årup Nielsen, Daniel Mietchen, Egon Willighagen
- Pulls information from the Wikidata knowledge base
- Displays scientific bibliographic information (authors, works, organizations, venues, series, publishers, sponsors, awards)
- Used to generate researchers' profiles and search their scholarship

[Scholia](#) [Author](#) [Work](#) [Organization](#) [Location](#) [Event](#) [Award](#) [Topic](#) [Tools](#) [Help](#)

author topic

Magnus Manske (Q13520818)

Heinrich Magnus Manske (born 24 May 1974) is a senior staff scientist at the Wellcome Trust Sanger Institute in Cambridge, UK and a software developer of one of the first versions of the MediaWiki software. ... (from the [English Wikipedia](#))

Related: [Konrad Förstner](#) · [Krzysztof Jacek Gorgolewski](#) · [Barend Mons](#) · [Jakob Voß](#) · [Michael S. Diamond](#) · [Eugene Koonin](#) · [Peter Nürnberg](#) · [Adam Godzik](#) · [Dinshaw J. Patel](#) · [Hediye Erdjument-Bromage](#)

 <https://orcid.org/0000-0001-5916-0947>

List of publications

Show entries

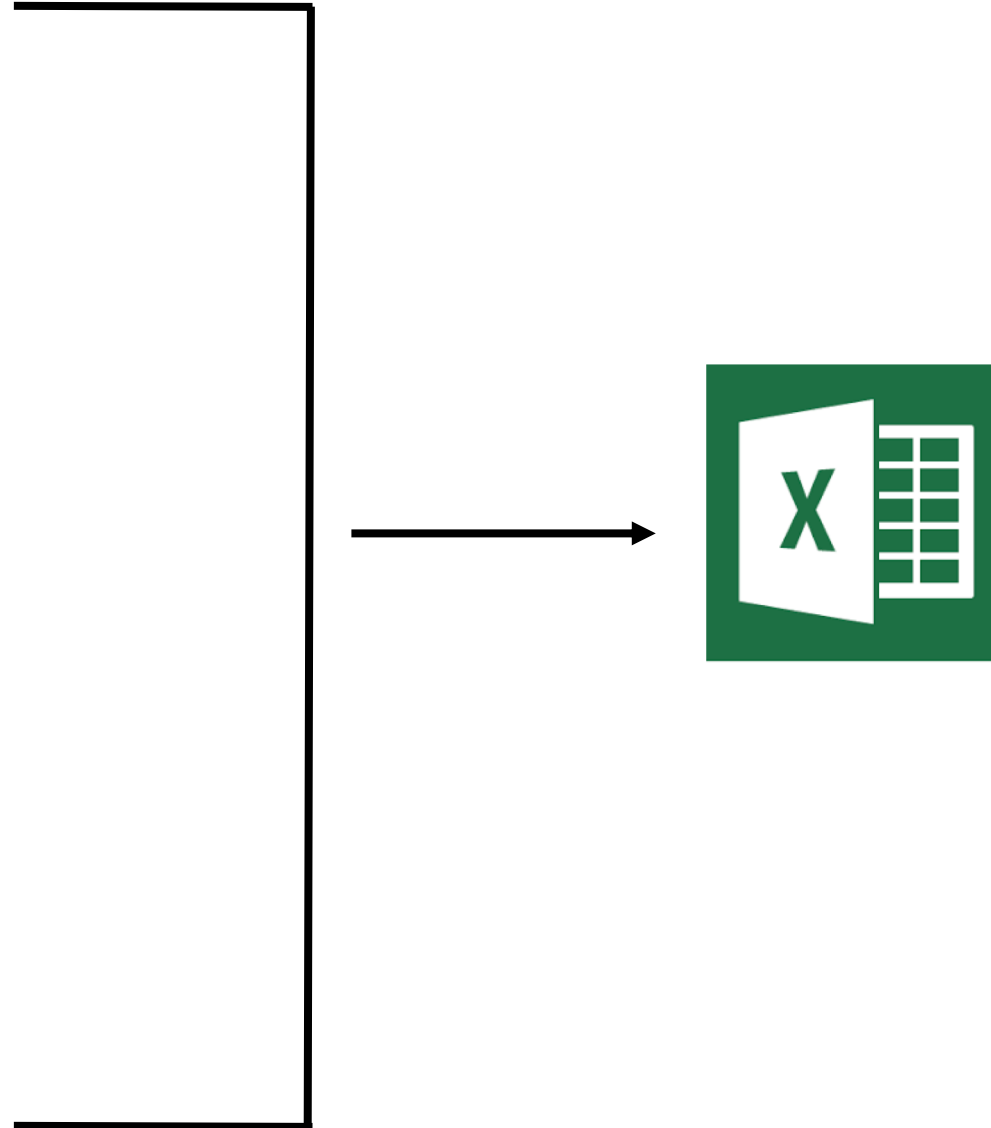
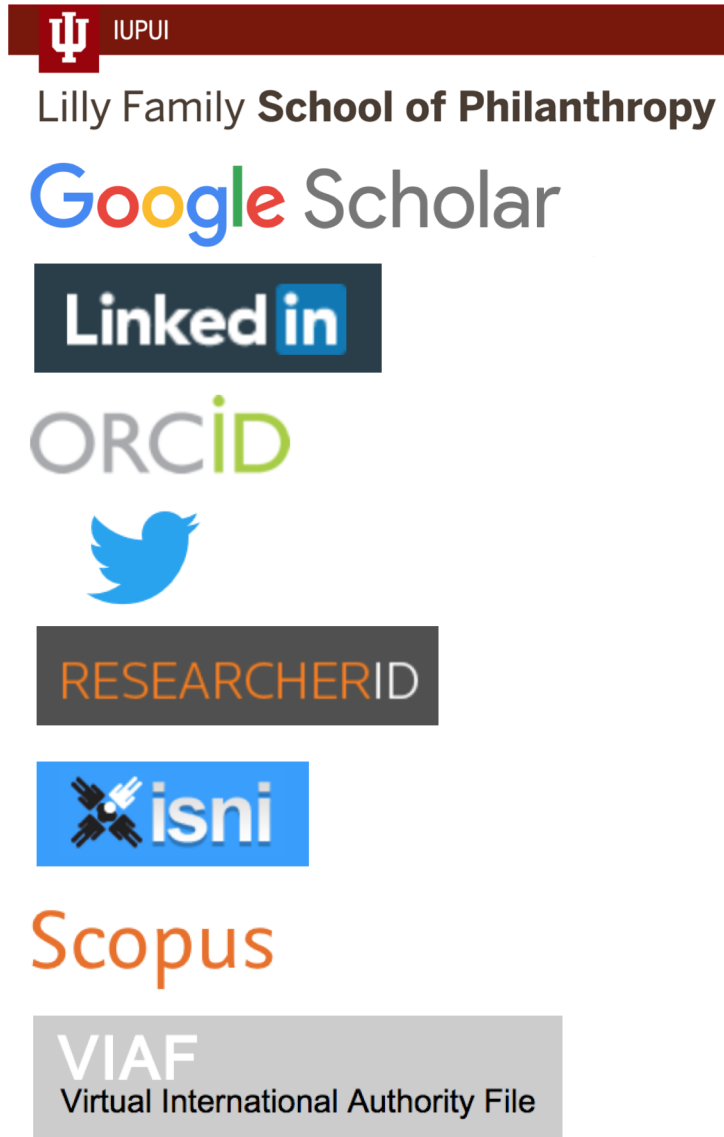
Search:

Date	Work	Type	Pages	Venue	Authors
2017-01-25	Plasmodium malariae and P. ovale	scholarly article	20	Nature	Magnus Manske, Matthew Berriman, Sarah Auburn, Lucas

21 +/- Philanthropy Faculty Selected

- Kathi Badertscher
- Lehn Benjamin
- Dwight Burlingame
- ***Patrick Dwyer (added May 2018)***
- Tyrone Freeman
- Kirsten Grønbjerg
- Julie Hatcher
- Catherine Herrold
- ***Patricia Snell Herzog (added August 2018)***
- David King
- Gregory Witkowski
- Sara Konrath
- Debra Mesch
- Una Osili
- ***Laurie Paarlberg (added September 2017, enhanced August 2018)***
- Amir Pasic
- Patrick Rooney
- Timothy Seiler
- Genevieve Shaker
- Bill Stanczykiewicz
- Gene Tempel

Scholarly Profiles: Data Gathering



professor of economics and philanthropic studies

Una O. Osili | Una Okonkwo Osili | Una O Osili



Contents

Statements

instance of

human

0 references

image



Una-Osili-ForeignRelationSubcommittee-Testimony.jpg

507 × 449; 45 KB

0 references

sex or gender

female

1 reference

reference URL

https://philanthropy.iupui.edu/people-directory/osili-una.html

quote Una O. Osili, Ph.D., is an economist with significant experience in research and policy in the fields of household behavior and economic policy. She is also associate dean for research and international programs at the Indiana University Lilly Family School of Philanthropy (English) retrieved 31 January 2018

spouse

Vop Osili

1 reference

stated in English Wikipedia

languages spoken, written or signed

English

0 references

occupation

university teacher

0 references

researcher

0 references

field of work

philanthropy

0 references

economics

0 references

employer

Northwestern University

start time 1996

end time 1998

position held teaching assistant

1 reference

reference URL

https://www.iza.org/person/6954/una-o-osili

retrieved 28 May 2018

Yale University

educated at

Harvard University

end time 1994

academic degree Bachelor of Arts

academic major economics

0 references

Northwestern University

end time 1995

academic degree Master of Arts

academic major economics

0 references

Northwestern University

end time 1999

academic degree Doctor of Philosophy

academic major economics

0 references

work location

Indianapolis

0 references

affiliation

Indiana University Lilly Family School of Philanthropy

1 reference

reference URL

https://philanthropy.iupui.edu/people-directory/index.html?type=Faculty+Core&page=2

official website

https://philanthropy.iupui.edu/peo

Wikidata item: Una Osili

Professor of Economics and Associate Dean for Research and International Programs, IU Lilly Family School of Philanthropy

Identifiers

Scopus Author ID

6506201770

0 references

VIAF ID

43025147

0 references

Library of Congress authority ID

n2004144107

0 references

ISNI

0000 0000 3580 6419

0 references

GND ID

133350169

0 references

RePEc Short-ID

pos97

0 references

ORCID iD

0000-0001-7447-8857

1 reference

stated in Philanthro-metrics: Mining multi-million-dollar gifts

National Thesaurus for Author Names ID

302969101

1 reference

stated in Virtual International Authority File

retrieved 27 August 2018

VIAF ID 43025147

Una Osili

Entries created for co-authors

- Jacqueline Ackerman
- Richard Akresh
- René Bekkers
- Katy Börner
- Elizabeth J. Dale
- Partha Deb
- Silvia Garcia
- Amir Daniel Hayat
- Chin Hua Kong
- Xiaonan Kou

- Marinella Leone
- Robert P. Light
- Bridget Terry Long
- Debra Mesch (Q33104309)
- Cagla Okten
- Anna Paulson
- Heng Qu
- Pamala Wiepking
- Jia Xie

External Tools: Source MetaData & QuickStatements

Developed by: Magnus Manske

[PMID/DOI/PMCID] -> Source MetaData Tool -> QuickStatements

10.1111/J.1540-6261.2004.00629.X



Source MetaData

Source ID: ⋮ [Check source](#)



Source MetaData

You can create a new item, or update an existing one, for this source in QuickStatements:

CREATE

LAST	P356	"10.1111/J.1540-6261.2004.00629.X"		
LAST	P31	Q13442814		
LAST	P1476	en:"Social Interaction and Stock-Market Participation"		
LAST	Len	"Social Interaction and Stock-Market Participation"		
LAST	P433	"1"		
LAST	P304	"137-163"		
LAST	P478	"59"		
LAST	P577	+2004-02-00T00:00:00Z/10		
LAST	P2093	"Harrison Hong"	P1545	"1"
LAST	P2093	"Jeffrey D. <u>Kubik</u> "	P1545	"2"
LAST	P2093	"Jeremy C. Stein"	P1545	"3"

[Open in QuickStatements](#)

The Global Dynamics of Gender and Philanthropy in Membership Associations: A Study of Charitable Giving by Lions Clubs International Members (Q33010468)

No description defined

The Global Dynamics of Gender and Philanthropy in Membership Associations

Contents

Statements

<div>instance of</div> <div><div><div></div><div>scholarly article</div></div></div> <div>0 references</div>	<div>page(s)</div> <div><div><div></div><div>18S-38S</div></div></div> <div>0 references</div>	<div>cites</div> <div><div><div></div><div>The Changing of the Boards: The Impact on Firm Valuation of Mandated Female Board Representation</div></div><div>0 references</div><div><div><div></div><div>Which is the Fair Sex? Gender Differences in Altruism</div></div><div>0 references</div><div><div><div></div><div>Factors underlying the inclination to donate to particular types of charity</div></div><div>0 references</div><div><div><div></div><div>Does Social Capital Make You Generous?</div></div><div>0 references</div><div><div><div></div><div>Men and Women of Elite Law Firms: Reevaluating Kanter's Legacy</div></div><div>0 references</div><div><div><div></div><div>When are women more generous than men?</div></div><div>0 references</div><div><div><div></div><div>Gender and Culture: International Experimental Evidence from Trust Games</div></div><div>0 references</div></div></div></div></div></div></div></div>
<div>title</div> <div><div><div></div><div>The Global Dynamics of Gender and Philanthropy in Membership Associations (English)</div></div></div> <div>0 references</div>	<div>issue</div> <div><div><div></div><div>2_suppl</div></div></div> <div>0 references</div>	
<div>main subject</div> <div><div><div></div><div>philanthropy</div></div><div>0 references</div><div><div><div></div><div>service club</div></div><div>0 references</div><div><div><div></div><div>gender</div></div><div>0 references</div></div></div></div>		
<div>author</div> <div><div><div></div><div>Una Osili</div><div>series ordinal 4</div><div>0 references</div></div><div><div><div></div><div>Debra Mesch</div><div>series ordinal 3</div><div>0 references</div></div><div><div><div></div><div>Amir Daniel Hayat</div><div>series ordinal 2</div><div>0 references</div></div></div></div></div>		

Wikidata item: Una Osili’s article example

Hand-created “Statements”: published in, number of pages, language of work or name

Note: If Journal is not already in Wikidata, an entry must be created for it

Item accessible at <https://www.wikidata.org/wiki/Q48340694>

External Tool: Resolve Authors

Developed by: Magnus Manske

[Author's Name] -> Source MetaData Author Resolver -> QuickStatements

Harrison Hong



Resolve authors

Author name: ☐ Fuzzy match



Resolve authors

Author name: ☐ Fuzzy match

Potential publications

1 publications found

Misc

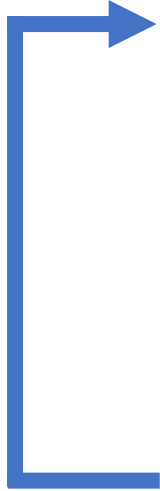
[Check all](#) | [Uncheck all](#)

<input checked="" type="checkbox"/>	Social Interaction and Stock-Market Participation [ORCID]	Harrison Hong, Jeffrey D. Kubik, Jeremy C. Stein
-------------------------------------	---	--

Potential author items

<input checked="" type="radio"/>	Harrison G. Hong	economist
----------------------------------	----------------------------------	-----------

Accessible at https://tools.wmflabs.org/sourcemd/new_resolve_authors.php



Creates entry for
Author (if needed)
and links to entry
for Article

author

Harrison G. Hong

...

edit

series ordinal

1

...

stated as

Harrison Hong

...

▼ 0 references

+ add reference

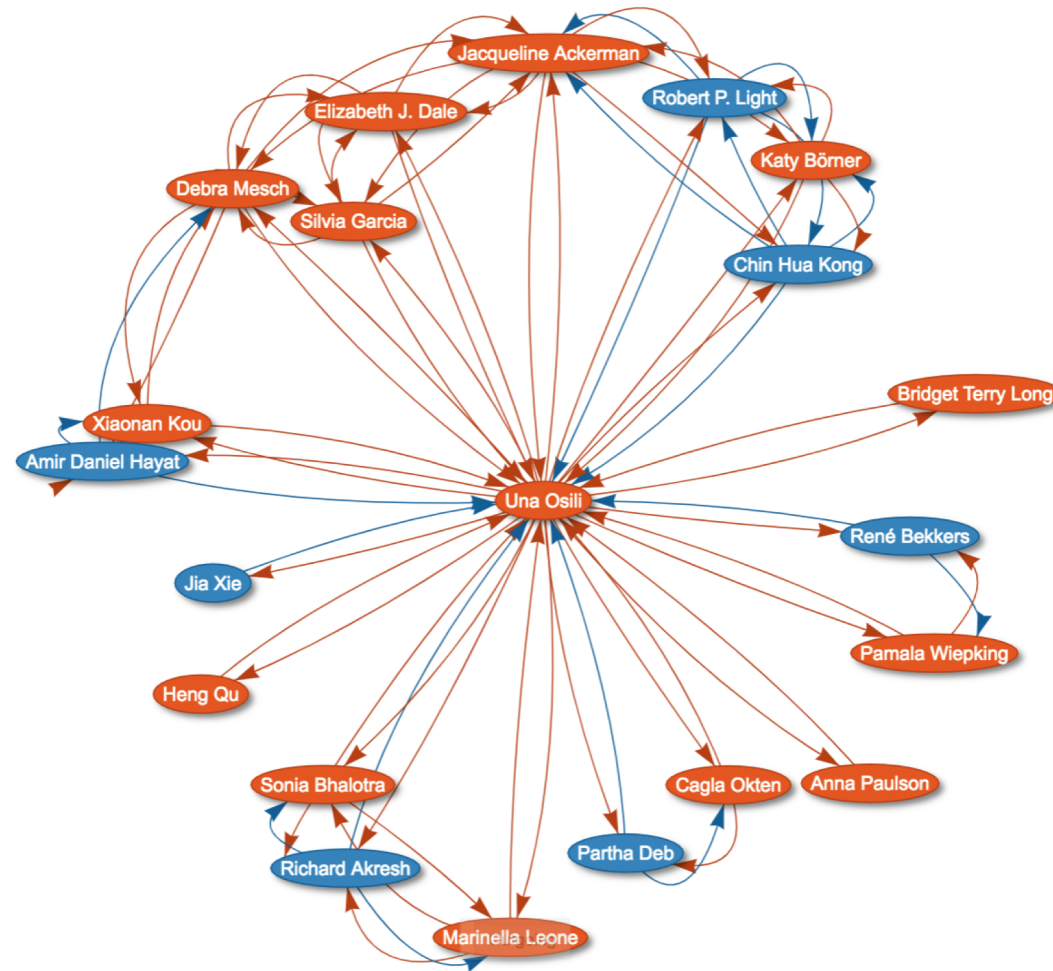
+ add value

author name string	<div><div></div><div></div><div></div></div> Harrison Hong ...	<div><div></div>edit</div>
	series ordinal	1 ...
	▼ 0 references	
	<div>+ add reference</div>	
	<div><div></div><div></div><div></div></div> Jeffrey D. Kubik ...	<div><div></div>edit</div>
	series ordinal	2 ...
	▼ 0 references	
	<div>+ add reference</div>	
	<div><div></div><div></div><div></div></div> Jeremy C. Stein ...	<div><div></div>edit</div>
	series ordinal	3 ...
	▼ 0 references	
	<div>+ add reference</div>	
<div>+ add value</div>		

Scholia Demo

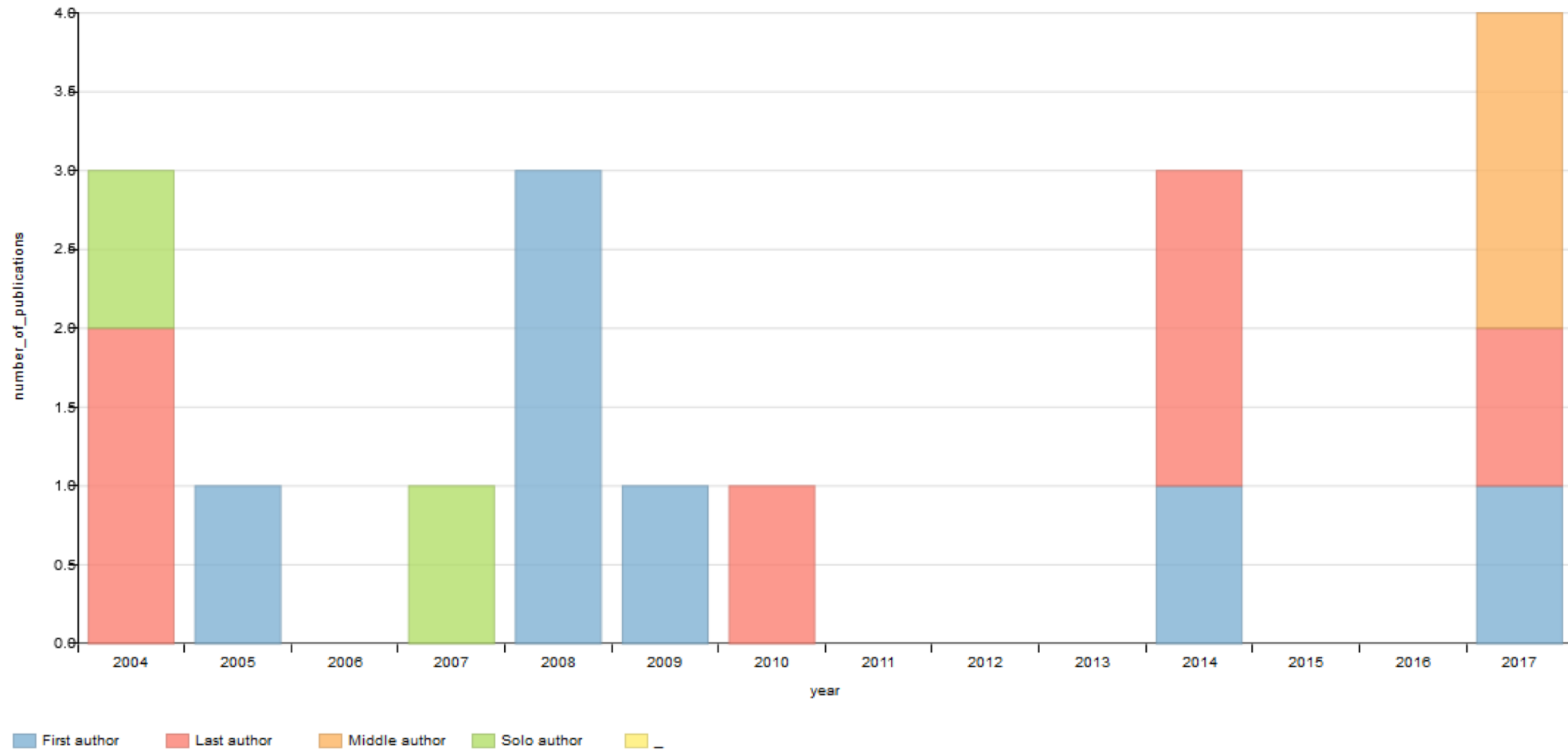
[IU Lilly Family School of Philanthropy](#)

Una Osili's co-authors graph in Scholia



Accessible at <https://tools.wmflabs.org/scholia/author/Q32979516>

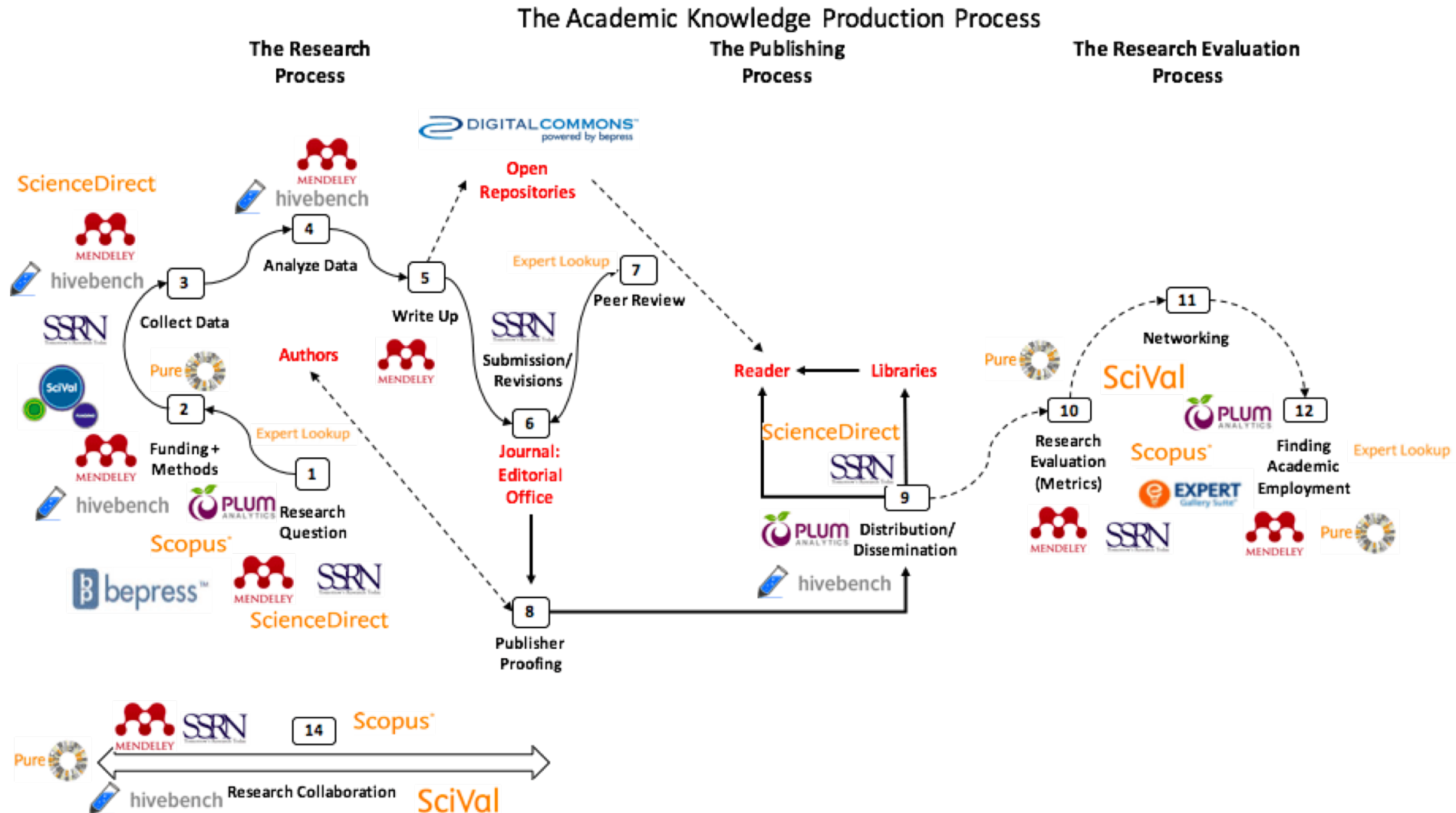
Una Osili's publications per year



Outcomes

- Created 21 entries in Wikidata for core faculty selected
 - 1 core faculty already in Wikidata (enhanced)
- Created 60+ entries in Wikidata for co-authors of core faculty
- Created 117 entries for publications
- Created 40+ entries for works cited in 3 publications from one faculty member
- Created 7 entries for works that cited those 3 publications from the faculty member
- Initial combined number of edits around 8,000 but have since made additional contributions

Why are we doing this?



Krauss, A. (2017, September 20). Publishers increasingly in control of scholarly infrastructure and this is why we should care. Retrieved February 14, 2018, from <http://knowledgegap.org/index.php/sub-projects/rent-seeking-and-financialization-of-the-academic-publishing-industry/preliminary-findings/>

What might be next?

Will libraries share data about their collections and stakeholders?

- ***In progress:*** enhancing and updating the School of Philanthropy data
- ***In progress:*** Library-maintained digital collections (adding Indiana libraries to Wikidata)
- ***In progress:*** Librarian-curated data for individual faculty members (e.g., awardees & exemplars)
- Library-published journals (e.g., 15 OJS titles hosted at IUPUI)
- Continue adding to the scholarly publishing dataset
- Add open-licensed pictures to faculty items
- Data about underrepresented subjects & communities

What are the challenges?

- It's a lot of work (although tools for contributing data are improving)
 - need a strategy for keeping the School of Philanthropy data up-to-date
 - disciplines that publish in sources without DOIs require manual entry
 - how would we contribute annual data for a faculty of 3,000?
- Wikidata corpus of bibliographic records comparatively lacking
 - building a complete citation network will require systematic and broad community support (see WikiCite: <http://wikicite.org/>)
- We are unsure if faculty (and librarians) understand the value, *for now...*



wikidata
the free wiki-like database

Mairelys Lemus-Rojas (@mlemusrojas)
Jere Odell (@jaireeo)